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Title: Quick identification of valuable objects by digital image analysis

Abstract:

A spectrum is produced for each image spot using an exiting light source (ALQ) the excitation spectrum of which can be tuned to different excitation frequencies. These collective absorption (if necessary filtered) emission spectra (AES) in the UV, VIS or IR which are recorded by means of photometric digital cameras simultaneously from different points of the work of art can be used to identify a work of art, along with age measurement, polarizing analysis and spectral data on varnishes. High spectral resolution is used during polarizing excitement or emission. Polarization measurements or fluorescence lifetime measurements of varnish fluorescence are also used.